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Attorney Docket No. 3091.16US02

APPLICATION TRANSMITTAL



Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing under 37 C.F.R. § 1.53(b) is the patent application of
INVENTOR(S): Kent I. Smedley, Ronald Gulino, Donald James Novkov, Ethan T. Alger, Jesse Rosen
and Stuart I. Smedley
FOR: METHODS AND DEVICES FOR CONTROLLING FLOW AND PARTICLE FLUIDIZATION
IN A FUEL CELL

Enclosed are:

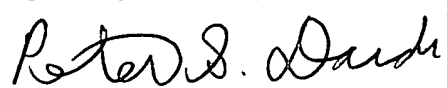
- ☒ [X] Specification and Abstract - 28 pages.
- ☒ [X] Drawings - 14 sheets (Figs. 1-18).
- ☐ [] Executed Combined Declaration and Power of Attorney.
- ☐ [] Information Disclosure Statement.
- ☐ [] Recordation Form Cover Sheet and Executed Assignment papers.
- ☐ [] CD-ROM or CD-R in duplicate, and Compact Disc Transmittal.
- ☐ [] Request and Certification Under 35 U.S.C. 122(b)(2)(B)(i) (nonpublication).
- ☐ [] _____.

The filing fee has been calculated as shown below:					
	No. Filed	No. Extra	Small Entity Rate	OR	Large Entity Rate
Basic Fee			\$375	OR	\$750
Total Claims	33 - 20	= 13	x 9 = \$117	OR	x 18 = \$
Independent Claims	4 - 3	= 1	x 42 = \$42	OR	x 84 = \$
Presence of Multiple Dependent Claim			+ 140 = \$0	OR	+ 280
		TOTAL	\$651	TOTAL	\$
**If the difference is less than zero, enter "0"					

☒ [X] Applicant(s) is/are entitled to small entity status in accordance with 37 CFR 1.27.

- [] A check in the amount of \$00 to cover the filing fee and Assignment recordation fee is attached. The Commissioner is hereby authorized to grant any extensions of time and to charge any fees under 37 C.F.R. §§ 1.16 and 1.17 that may be required during the entire pendency of this application to Deposit Account No. 16-0631.
- [X] This application claims the benefit of U.S. Provisional Application Nos. 60/410,389, 60/410,467 and 60/410,468, all filed September 12, 2002.

Respectfully submitted,



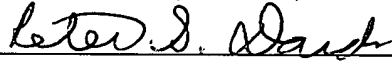
Peter S. Dardi, Ph.D.
Registration No. 39,650

CERTIFICATE OF EXPRESS MAIL

"Express Mail" mailing label number EV 321547965 US. Date of Deposit: September 12, 2003. I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Peter S. Dardi

Name of Person Making Deposit



Signature